MATERIAL SAFETY DATA SHEET

POLYURETHANE CLEAR VARNISH

HMIS CODES: H F R P
2 3 0 B

PRODUCT CODE: PU001

==========SECTION I - MANUFACTURER IDENTIFICATION==========

MANUFACTURER'S NAME: HARRIS PAINTS COMPANY
ADDRESS : PO BOX 364723
SAN JUAN, P.R. 00936-4723

EMERGENCY PHONE : 800-424-9300 CHEMTRE **DATE PRINTED** : 10/04/01
INFORMATION PHONE : 787-798-1005 **NAME OF PREPARER** : DAVID MUNOZ

==========SECTION II - HAZARDOUS INGREDIENTS==========

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm HG @ Temp		Weight Percent
OIL MODIFIED POLYURETHANE SOLUTION	MIXTURE			
* BENZENE, METHYL PEL/TWA: 100 PPM TLV/TWA: 50 PPM (SKIN) OSHA PEL/STEL: 150 PPM	108-88-3	22	68 F	3.76
* XYLENE AROMATIC HYDROCARBON MIXED ISOMERS OSHA PEL: 100PPM TLV: 100 PPM	1330-20-7	5.10	68 F	1.31

* INDICATES TOXIC CHEMICAL (S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

==========SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS==========

BOILING RANGE:
SPECIFIC GRAVITY (H2O = 1): 0.91
VAPOR DENSITY: NOT DETERMINED
EVAPORATION RATE: NOT DETERMINED
COATING V.O.C. : 3.46 lb/gl
MATERIAL V.O.C. : 3.46 lb/gl
SOLUBILITY IN WATER: NOT SOLUBLE
APPEARANCE AND ODOR: MILD SOLVENT ODOR

==========SECTION IV - FIRE AND EXPLOSION HAZARD DATA==========

FLASH POINT: >105 F **METHOD USED:** TOC
FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: 1.0 **UPPER:** 7

EXTINGUISHING MEDIA: Respiratory equipment should be worn to avoid inhalation of concentrated vapors. Water should not be used except as fog to keep nearby containers cool.

SPECIAL FIREFIGHTING PROCEDURES
EXTINGUISH MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS
Due to pressure build-up, closed contai-ners exposed to extreme heat may explote. During emergency conditions, over-exposure to descomposition products may cause a health hazard. Symptoms may not be inmediately apparent. Obtain medical attention.

==========SECTION V - REACTIVITY DATA==========

STABILITY: STABLE
CONDITIONS TO AVOID:

Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

INCOMPATIBILITY (MATERIALS TO AVOID):
Alkaline materials, strong acids and oxidizing materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
May cause hazardous fumes when heated to decomposition. Fumes may contain carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of metals listed in section II. Fumes may also contain oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

==========SECTION VI - HEALTH HAZARD DATA==========

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
INHALATION: Dizziness, breathing difficulty, headaches & loss of coordination.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Severe irritation, tearing, redness and blurred vision.

SKIN ABSORPTION HEALTH RISKS
Can dry and defeat skin causing cracks, irritation and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE
Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)
Inhalation -dizzines, breathing difficulty, headaches, & loss of coordination. Eye contact- Severe irritation, tearing, redness, and blurred vision. Skin contact - Can dry and defeat skin causing cracks, irritation, and dermatitis. Ingestion - Can cause gastrointestinal irritation, vomiting, nausea & diarrhea. No chronic health effects.

CARCINOGENICITY: NTP CARCINOGEN: NO **IARC MONOGRAPHS:** NO **OSHA REGULATED:** NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Anesthesia, respiratory tract irritation, dermititis, nausea, vomiting.

EMERGENCY AND FIRST AID PROCEDURES
Inhalation overexposure - Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention. Eye contact-flush with large quantities of water for 15 minutes. Skin contact - Wash throughly with soap and water. Ingestion - Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Eliminate ignition sources, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

WASTE DISPOSAL METHOD
Collect adsorbent/water/spilled liquid mixture into metal containers and addenough water to cover. Consult local state and federal hazardous regulation before disposing into approved hazardous wasted landfills. Obey relevant law.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Use non-sparking utensils when handling this material. Avoid hot metal surface. Keep away from excessive heat and open flames. KEEP OUT OF REACH OF CHILDREN.

OTHER PRECAUTIONS
Ground all equipment when handling flammable solvent borne materials; smoking is strictly prohibited in areas where this

materials are used.

Use impermeable aprons and protective clothing whenever to prevent skin contact. The use of head caps whenever possible is strongly recommended.

==========SECTION VIII - CONTROL MEASURES==========

RESPIRATORY PROTECTION
When spraying this material use a NIOSH approved cartridge respirator or gasmask suitable to keep airborne mists and vapor concentration below thresholdlimit values. When using in poorly ventilated and confined spaces, use a fresh air supplying respirator or a self-contained breathing apparatus.

VENTILATION
General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES
Chemicals resistant gloves.

EYE PROTECTION
Use chemical safety glasses, goggles, and faceshields for eye protection.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
Use impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps whenever possible is stongly recommended.

WORK/HYGIENIC PRACTICES
Eye washes and safety showers in the workplace is recommended.

==========SECTION IX - DISCLAIMER==========

To the best or our knowledge, the information contained here is accurate, obtanied from sources beleived to be accurate. We neither guarantee that any hazards mentioned are the only ones which exists. The manner of that use and whether there is any infrigement of patents is the sole responsability of the user.